

## 32-2111: ACOT11 Recombinant Protein

**Alternative Name :** Acyl-CoA Thioesterase 11, StAR-Related Lipid Transfer (START) Domain Containing 14, Thioesterase, Adipose Associated, Acyl-CoA Thioester Hydrolase 11, Adipose-Associated Thioesterase, Brown Fat-Inducible Thioesterase, Thioesterase Superfamily Member

### Description

Source : Escherichia Coli. ACOT11 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain topological domain containing 268 amino acids (19-250 a.a) and having a molecular mass of 29.9kDa. ACOT11 is fused to a 36 amino acid His-tag at N-terminus. ACOT11 belongs to the acyl-CoA thioesterase family which catalyses the transformation of activated fatty acids to the equivalent non-esterified fatty acid and coenzyme A. Expression of a mouse homolog in brown adipose tissue is induced by low temperatures and inhibited by high temperatures. Obesity-resistant mice demonstrated High levels of expression compared with obesity-prone mice, indicating BFIT takes part in acyl-CoA thioesterase 11 in obesity. BFIT has acyl-CoA thioesterase activity towards medium (C12) and long-chain (C18) fatty acyl-CoA substrates.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** ACOT11 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.4M Urea and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSNRTS RKSALRAGND SAMADGEGYR NPTEVQMSQL VLPCHTNQRG ELSVGQLLKW IDTTACLSAE RHAGCPCVTA SMDDIYFEHT ISVGQVNNIK AKVNRANFSS MEVGIVQVASE DLCSEKQWNV CKALATFVAR REITKVKLKQ ITPRTEEEKM EHSVAAERRR MRLVYADTIK DLLANCAIQG DLESRDCSR M VPAEKTRVES VELVLPPHAN HQGNTFGGQI MAWMENVA

